

Rabbit HSPA5 Polyclonal Antibody | anti-HSPA5 antibody

HSPA5 Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA36700	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot

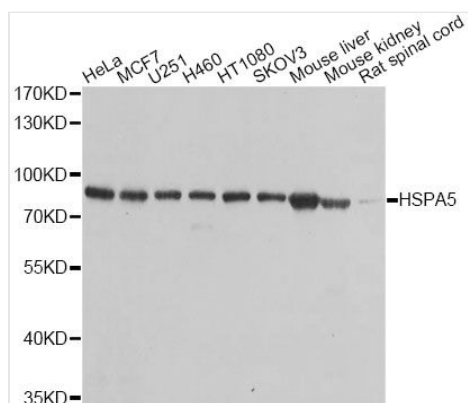
PRODUCT SYNONYMS

HSPA5; Polyclonal Antibody; HSPA5 Polyclonal Antibody; BiP; HSPA5: HSPA5; BIP; FLJ26106; GRP78; MIF2; anti-HSPA5 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Concentration	1mg/ml (varies by lot)
Sequence Length	654
Applicable Applications for anti-HSPA5 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Species	Human
Immunogen	Recombinant Protein
Immunogen	Recombinant protein of human HSPA5
Calculated Molecular Weight	78kDa
Preparation and Storage	Store at -20 degree C. Avoid freeze / thaw cycles. Buffer: PBS with 0.09% Sodium azide, 50% glycerol, pH7.3.

IMAGES



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using HSPA5 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 1s.

ADDITIONAL INFORMATION

Related Product Information for anti-HSPA5 antibody	Secretory and transmembrane proteins are synthesized on polysomes and translocated into the endoplasmic reticulum (ER). Inside the ER, these proteins are often modified by disulfide bond formation, amino-linked glycosylation and folding. To help proteins fold properly, the ER contains a pool of molecular chaperones including HSPA5. HSPA5 was identified as an immunoglobulin heavy chain binding protein in pre-B cells (1,2). It was also found to be induced at the protein level by glucose starvation (3). When protein folding is disturbed inside ER, HSPA5 synthesis is increased. Subsequently, HSPA5 binds to misfolded proteins to prevent them from forming aggregates and assists in proper refolding (4).
Product Categories/Family for anti-HSPA5 antibody	Polyclonal

NCBI AND UNIPROT INFORMATION

NCBI GI #	14916999
NCBI GeneID	3309
UniProt Accession #	P11021; Q2EF78; Q9NPF1; Q9UK02; B0QZ61
Molecular Weight	654
NCBI Official Full Name	78 kDa glucose-regulated protein
NCBI Official Synonym Full Names	heat shock 70kDa protein 5 (glucose-regulated protein, 78kDa)
NCBI Official Symbol	HSPA5
NCBI Official Synonym Symbols	BIP; MIF2; GRP78; HEL-S-89n
NCBI Protein Information	78 kDa glucose-regulated protein; immunoglobulin heavy chain-binding protein; epididymis secretory sperm binding protein Li 89n; endoplasmic reticulum lumenal Ca(2+)-binding protein grp78
UniProt Protein Name	78 kDa glucose-regulated protein
UniProt Gene Name	HSPA5
UniProt Synonym Gene Names	GRP78; GRP-78; BiP
UniProt Entry Name	GRP78_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/hspa5-antibody-immunohistochemistry-western-blot-elisa/36700>